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Bruce E. Garlick			MATTIS, JASON E	
Garlick & Harr	ison			
P.O. Box 691		ART UNIT	PAPER NUMBER	
Spicewood, TX 78669			2665	
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Please find below and/or attached an Office communication concerning this application or proceeding.



	Application No.	Applicant(s)				
	09/833,864	FONG ET AL.				
Office Action Summary	Examiner	Art Unit				
	Jason E. Mattis	2665				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	66(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days illia pply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	ely filed will be considered timely. the mailing date of this communication. (25 U.S.C. § 133).				
Status	•					
1) Responsive to communication(s) filed on 27 Ju	<u>ine 2005</u> .					
·	☐ This action is FINAL . 2b) ☐ This action is non-final.					
* * * * * * * * * * * * * * * * * * * *) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
4)	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the objected to by the Examine Replacement drawing sheet(s) including the correct and the correct of the corre	epted or b) \square objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Application ity documents have been receive I (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da					

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DETAILED ACTION

1. This Office Action is in response to the Request for Continued Examination filed on 6/27/05. Claims 1-20 are currently pending in the application.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 18-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Haumont et al. (U.S. Publication US 2001/0012279 A1).

With respect to claim 18, Haumont et al. discloses a base station controller comprising a packet data serving node interface and at least one base station interface that interfaces the base station controller to a plurality of base station (See page 3 paragraph 45 and Figure 4 of Haumont et al. for reference to base station controller BSC2 that has an interface to mobile switching center MSC, which is a packet data serving node, and interfaces to base stations BST1, BTS2, and BTS3). Haumont et al. also discloses a central buffer (See page 4 paragraph 49 and page 6

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paragraph 79 and Figure 4 of Haumont et al. for reference to a memory 20 in the form of a buffer that stores packets and for reference to the buffer being included in the base station controller in one embodiment). Haumont et al. further discloses a digital process that causes the base station to execute software instructions (See page 3 paragraph 45 to page 6 paragraph 60 and Figures 1 and 4 of Haumont et al. discloses the base station controller processing instructions to perform a method). Haumont et al. also discloses storing a group of blocks of data in the central buffer (See page 3 paragraph 45 to page 4 paragraph 49 and page 6 paragraph 79 for reference to storing data packets, which form a group of blocks of data in the memory 20). Haumont et al. further discloses determining an active set of base stations for servicing a mobile station (See page 5 paragraphs 61-69 and Figure 1 of Haumont et al. for reference to determining which BTS to transmit packets to from the BSC, with the BTS that receive the packets forming an active set of BTS for a mobile station MS). Haumont et al. also discloses downloading a plurality of blocks of data of the groups of blocks of data stored in the central buffer to each base station of the active set of base stations (See page 4 paragraph 50 to page 5 paragraph 61 and Figures 1 and 4 of Haumont et al. for reference to BSC2 transmitting data packets at various times to BTS1 and BTS2 that are determined to be in an active set for an MS1). Haumont et al. further discloses that each block of data includes a respective sequence number with the first block including an initial sequence number (See page 3 paragraph 43 and Figure 2 of Haumont et al. for reference to each packet 10, which is a block of data, including information 14

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relating to the identity of a packet that may comprise the number of a packet, with the first packet 10 to be sent to a MS1 including an initial number). Haumont et al. also discloses receiving an indication from a serving base station of the active set of base stations that a data refresh is required (See page 4 paragraphs 51-52, page 6 paragraph 79. and Figure 4 of Haumont et al. for reference to a BTS sending an acknowledgement of the number of a packet that has been received by an MS to the BSC, with the acknowledgement being used to determine that a next packet is ready to be sent to the active BTS). Haumont et al. further discloses downloading a next plurality of blocks of data of the group of blocks of data stored in the central buffer to each base station of the active set of base stations (See page 4 paragraphs 51-52 and page 6 paragraph of Haumont et al. for reference to transmitting the next packet to be sent from the BSC to the active BTS once an acknowledgement of a previously sent packet has been received by the BSC).

With respect to claim 19, Haumont et al. discloses that only one base station of the active set of base stations services forward link transmissions to the mobile station at any particular time (See page 4 paragraph 50 to page 5 paragraph 60 of Haumont et al. for reference to only one BTS transmitting packets to a MS at a give time and for reference to performing a hard handoff meaning that a connection between a MS and a BTS is broken before a connection between a MS and a new BTS is made).

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Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haumont et al. in view of Farley et al. (U.S. Pat. 6553032).

With respect to claim 1, Haumont et al. discloses a method of operating a wireless communication system (See the abstract of Haumont et al. for reference to operating wireless communication network). Haumont et al. also discloses determining an active set of base stations for servicing the mobile (See page 5 paragraphs 61-69 and Figure 1 of Haumont et al. for reference to determining which BTS to transmit packets to from the BSC, with the BTS that receive the packets forming an active set of BTS for a mobile station MS). Haumont et al. further discloses downloading a group of blocks of data to a central buffer that services the active set of base stations (See page 3 paragraph 45 to page 4 paragraph 49 and page 6 paragraph 79 for reference to downloading data packets, which form a group of blocks of data, to a memory 20, with memory 20 being in the form of a buffer that stores packets and for reference to the buffer being included in the base station controller in one embodiment). Haumont et al. also discloses for each

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of the active set of base stations, downloading a plurality of blocks of data from the central buffer (See page 4 paragraph 50 to page 5 paragraph 61 and Figures 1 and 4 of Haumont et al. for reference to BSC2 transmitting data packets at various times to BTS1 and BTS2 that are determined to be in an active set for an MS1). Haumont et al. further discloses that each block of data includes a respective sequence number with the first block including an initial sequence number (See page 3 paragraph 43 and Figure 2 of Haumont et al. for reference to each packet 10, which is a block of data, including information 14 relating to the identity of a packet that may comprise the number of a packet, with the first packet 10 to be sent to a MS1 including an initial number). Haumont et al. also discloses transmitting blocks of data from a serving base station to the mobile station (See page 4) paragraph 50 for reference to transmitting data from BST1 to MS1). Haumont et al. further discloses receiving a sequence number form the mobile station for each block of data successfully received by the mobile station required (See page 4 paragraphs 51-52, page 6 paragraph 79. and Figure 4 of Haumont et al. for reference to a BTS sending an acknowledgement of the number of a packet that has been received by an MS to the BSC, with the acknowledgement being used to determine that a next packet is ready to be sent to the active BTS). While Haumont et al. discloses download a next block of data based on received acknowledgements, Haumont et al. does not specifically disclose when the sequence number of a block of data successfully received by the mobile station exceeds an initial sequence number by a

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threshold value, downloading a next plurality of blocks of data from a central buffer to each base station of the active set of base stations.

With respect to claim 5, Haumont et al. discloses that the mobile station reports the sequence number of a successfully received block of data to its serving base station (See page 4 paragraphs 51-52, page 6 paragraph 79. and Figure 4 of Haumont et al. for reference to a BTS sending an acknowledgement of the number of a packet that has been received by an MS to a BTS). Haumont et al. does not disclose determining that the sequence number of the successfully received block exceeds an initial sequence number by a threshold value.

With respect to claims 1 and 5, Farley et al., in the field of communications, discloses using sliding window protocol in a wireless communications system (See column 2 lines 27-39 of Farley et al. for reference to sliding window protocol).

Farley et al. also discloses that in sliding window protocol, mobile units send acknowledgements specifying sequence numbers to sending units to acknowledge each packet sent (See column 2 lines 27-48 of Farley et al. for reference to sending acknowledgements specifying sequence numbers of received packets). Farley et al. further discloses that when an acknowledgment received by the sending unit specifies a packet sequence number above a threshold, which is related to a sliding window, the sliding window is moved and the next data packet is downloaded to the mobile unit (See column 2 lines 27-48 of Farley et al. for reference to this process).

Using sliding window protocol has the advantage of creating a way to keep a

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transmission buffer full while only sending an amount of data that a mobile unit can handle.

It would have been obvious to one of ordinary skill in the art at the time of the invention, when presented with the work of Farley et al., to combine the use of sliding window protocol, as suggested by Farley et al., with the system and method of base station buffer management disclosed by Haumont et al., with the motivation being to create a way to keep the base station transmission buffers full with current data while only sending an amount of data that a mobile unit can handle.

With respect to claim 2, Haumont et al. also discloses that the central buffer is service by a base station controller with the base station controller servicing a plurality of base stations (See page 4 paragraph 49 and page 6 paragraph 79 and Figure 4 of Haumont et al. for reference to a memory 20 in the form of a buffer that stores packets and for reference to the buffer being included in the base station controller in one embodiment).

With respect to claim 3, Haumont et al. discloses that the central buffer is serviced by a services gateway switching node that services a plurality of base stations (See page 3 paragraph 45 and Figure 4 of Haumont et al. for reference to base station controller BSC2 that has an interface to mobile switching center MSC, which is a services gateway switching node, that services the buffer of the BSC2 by downloading packets to the buffer).

With respect to claim 4, Haumont et al. discloses that only one base station of the active set of base stations services forward link transmission to the mobile station at

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any particular time (See page 4 paragraph 50 to page 5 paragraph 60 of Haumont et al. for reference to only one BTS transmitting packets to a MS at a give time and for reference to performing a hard handoff meaning that a connection between a MS and a BTS is broken before a connection between a MS and a new BTS is made).

6. Claims 6-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haumont et al. in view of Farley et al. as applied to claims 1-5 above, and further in view of Strawczynski et al. (U.S. Publication 2002/0012334 A1).

With respect to claims 6 and 7, the combination of Haumont et al. and Farley et al. does not disclose the system supporting the 1xEV-DO standard or the High Speed Downlink Packet Access standard.

With respect to claims 6 and 7, Strawczynski et al., in the field of communications, discloses a wireless communications system compatible with the 1xEV-DO standard and the HSDPA standard (See page 1 paragraph 12 of Strawczynski et al. for reference to wireless systems using both the 1xEV-DO standard and the HSDPA standard). Using the 1xEV-DO standard and the HSDPA standard has the advantage of using currently developed high-speed data rate standards without having to create a new standard.

It would have been obvious to one of ordinary skill in the art at the time of the invention, when presented with the work of Strawczynski et al., to combine the use of the 1xEV-DO standard and the use of the HSDPA standard, as suggested by

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Strawczynski et al., with the forward link data transmission system and method of Haumont et al. and Farley et al., with the motivation being to use currently developed high-speed data rate standards without having to create a new standard.

7. Claims 8 and 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haumont et al. in view of Padovani et al. (U.S. Publication US 2003/0142656 A1).

With respect to claim 8, Haumont et al. discloses a method of managing the contents of a plurality of data buffers in a wireless communication system (See the abstract of Haumont et al. for reference to managing a wireless communication network that includes data buffers). Haumont et al. also discloses receiving a group of blocks of data in a central buffer of a network element that manages a plurality of base stations of a wireless communication system (See page 3 paragraph 45 to page 4 paragraph 49 and page 6 paragraph 79 for reference to downloading data packets, which form a group of blocks of data, to a memory 20, with memory 20 being in the form of a buffer that stores packets and for reference to the buffer being included in a base station controller that manages a plurality of base transceiver stations in one embodiment). Haumont et al. further discloses downloading a plurality of blocks of data from the central buffer to a plurality of base stations forming an active set of base stations servicing a mobile station (See page 4 paragraph 50 to page 5 paragraph 61 and Figures 1 and 4 of Haumont et al. for reference to BSC2 transmitting data packets at various times to BTS1 and BTS2 that are determined to be in an active set for an MS1). Haumont et al. also discloses

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transmitting blocks of data from a serving base station to the mobile station (See page 4 paragraph 50 for reference to transmitting data from BST1 to MS1). Haumont et al. further discloses determining that a buffer refresh is required (See page 4 paragraphs 51-52, page 6 paragraph 79. and Figure 4 of Haumont et al. for reference to a BTS sending an acknowledgement of the number of a packet that has been received by an MS to the BSC, with the acknowledgement being used to determine that a next packet is ready to be sent to the active BTS). Haumont et al. further discloses downloading a next plurality of blocks of data of the group of blocks of data stored in the central buffer to each base station of the active set of base stations (See page 4 paragraphs 51-52 and page 6 paragraph of Haumont et al. for reference to transmitting the next packet to be sent from the BSC to the active BTS once an acknowledgement of a previously sent packet has been received by the BSC). Although Haumont et al. does disclose using a plurality of distributed buffer memories in each BTS of the network, Haumont et al. does not disclose that these buffers exist in the embodiment that includes a buffer in the base station controller.

With respect to claim 8, Padovani et al., in the field of communications discloses a plurality of distributed buffer memories in each base station of a wireless communication network (See page 8 paragraph 82 and Figure 2 of Padovani et al. for reference to each selector element 14 assigned to control the communication with mobile station 6 forwarding data to all base stations 4 in the active set of mobile station 6 and for reference to base stations 4 containing a data queue 40, where the data to be transmitted to the mobile station 6 is stored). Using a

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plurality of distributed buffer memories in each base station of a wireless communication network has the advantage of allowing a base station to directly control the retransmission of a data packet that is not acknowledged as being correctly received by a mobile station without having to again receive the packet form the base station controller.

It would have been obvious for one of ordinary skill in the art at the time of the invention, when presented with the work of Padovani et al., to combine using a plurality of distributed buffer memories in each base station of a wireless communication network, as suggested by Padovani et al., with the system and method of Haumont et al., with the motivation being to allow a base station to directly control the retransmission of a data packet that is not acknowledged as being correctly received by a mobile station without having to again receive the packet form the base station controller.

With respect to claim 11, Haumont et al. discloses that only one base station of the active set of base stations services forward link transmission to the mobile station at any particular time (See page 4 paragraph 50 to page 5 paragraph 60 of Haumont et al. for reference to only one BTS transmitting packets to a MS at a give time and for reference to performing a hard handoff meaning that a connection between a MS and a BTS is broken before a connection between a MS and a new BTS is made).

With respect to claim 12, Haumont et al. also discloses that the central buffer is service by a base station controller with the base station controller servicing a plurality

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of base stations (See page 4 paragraph 49 and page 6 paragraph 79 and Figure 4 of Haumont et al. for reference to a memory 20 in the form of a buffer that stores packets and for reference to the buffer being included in the base station controller in one embodiment).

8. Claims 13-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haumont et al. in view of Padovani et al. as applied to claims 8 and 11-12 above, and further in view of Farley et al.

With respect to claim 13, Haumont et al. discloses a method of managing the contents of a plurality of data buffers in a wireless communication system (See the abstract of Haumont et al. for reference to managing a wireless communication network that includes data buffers). Haumont et al. also discloses receiving a group of blocks of data in a central buffer of a network element that manages a plurality of base stations of a wireless communication system (See page 3 paragraph 45 to page 4 paragraph 49 and page 6 paragraph 79 for reference to downloading data packets, which form a group of blocks of data, to a memory 20, with memory 20 being in the form of a buffer that stores packets and for reference to the buffer being included in a base station controller that manages a plurality of base transceiver stations in one embodiment). Haumont et al. further discloses downloading a plurality of blocks of data from the central buffer to a plurality of base stations forming an active set of base stations servicing a mobile station (See page 4 paragraph 50 to page 5 paragraph 61 and Figures 1 and 4 of Haumont et al. for

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reference to BSC2 transmitting data packets at various times to BTS1 and BTS2 that are determined to be in an active set for an MS1). Haumont et al. also discloses that each block of data includes a respective sequence number with the first block including an initial sequence number (See page 3 paragraph 43 and Figure 2 of Haumont et al. for reference to each packet 10, which is a block of data, including information 14 relating to the identity of a packet that may comprise the number of a packet, with the first packet 10 to be sent to a MS1 including an initial number). Haumont et al. further discloses transmitting blocks of data from a serving base station to the mobile station (See page 4 paragraph 50 for reference to transmitting data from BST1 to MS1). Haumont et al. also discloses receiving a sequence number form the mobile station for each block of data successfully received by the mobile station required (See page 4 paragraphs 51-52, page 6 paragraph 79. and Figure 4 of Haumont et al. for reference to a BTS sending an acknowledgement of the number of a packet that has been received by an MS to the BSC, with the acknowledgement being used to determine that a next packet is ready to be sent to the active BTS). Although Haumont et al. does disclose using a plurality of distributed buffer memories in each BTS of the network, Haumont et al. does not disclose that these buffers exist in the embodiment that includes a buffer in the base station controller. Padovani et al., in the field of communications discloses a plurality of distributed buffer memories in each base station of a wireless communication network (See page 8 paragraph 82 and Figure 2 of Padovani et al. for reference to each selector element 14 assigned to control the communication with mobile station 6

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forwarding data to all base stations 4 in the active set of mobile station 6 and for reference to base stations 4 containing a data queue 40, where the data to be transmitted to the mobile station 6 is stored). While Haumont et al. discloses download a next block of data based on received acknowledgements, the combination of Haumont et al. and Padovani et al. does not specifically disclose when the sequence number of a block of data successfully received by the mobile station exceeds an initial sequence number by a threshold value, downloading a next plurality of blocks of data from a central buffer to each base station of the active set of base stations.

With respect to claim 17, Haumont et al. discloses that the mobile station reports the sequence number of a successfully received block of data to its serving base station (See page 4 paragraphs 51-52, page 6 paragraph 79. and Figure 4 of Haumont et al. for reference to a BTS sending an acknowledgement of the number of a packet that has been received by an MS to a BTS). The combination of Haumont et al. and Padovani et al. does not disclose determining that the sequence number of the successfully received block exceeds an initial sequence number by a threshold value.

With respect to claims 13 and 17, Farley et al., in the field of communications, discloses using sliding window protocol in a wireless communications system (See column 2 lines 27-39 of Farley et al. for reference to sliding window protocol).

Farley et al. also discloses that in sliding window protocol, mobile units send acknowledgements specifying sequence numbers to sending units to acknowledge each packet sent (See column 2 lines 27-48 of Farley et al. for reference to sending

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acknowledgements specifying sequence numbers of received packets). Farley et al. further discloses that when an acknowledgment received by the sending unit specifies a packet sequence number above a threshold, which is related to a sliding window, the sliding window is moved and the next data packet is downloaded to the mobile unit (See column 2 lines 27-48 of Farley et al. for reference to this process). Using sliding window protocol has the advantage of creating a way to keep a transmission buffer full while only sending an amount of data that a mobile unit can handle.

It would have been obvious to one of ordinary skill in the art at the time of the invention, when presented with the work of Farley et al., to combine the use of sliding window protocol, as suggested by Farley et al., with the system and method of base station buffer management disclosed by Haumont et al. and Padovani et al., with the motivation being to create a way to keep the base station transmission buffers full with current data while only sending an amount of data that a mobile unit can handle.

With respect to claim 14, Haumont et al. also discloses that the central buffer is service by a base station controller with the base station controller servicing a plurality of base stations (See page 4 paragraph 49 and page 6 paragraph 79 and Figure 4 of Haumont et al. for reference to a memory 20 in the form of a buffer that stores packets and for reference to the buffer being included in the base station controller in one embodiment).

With respect to claim 15, Haumont et al. discloses that the central buffer is serviced by a services gateway switching node that services a plurality of base stations

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(See page 3 paragraph 45 and Figure 4 of Haumont et al. for reference to base station controller BSC2 that has an interface to mobile switching center MSC, which is a services gateway switching node, that services the buffer of the BSC2 by downloading packets to the buffer).

With respect to claim 16, Haumont et al. discloses that only one base station of the active set of base stations services forward link transmission to the mobile station at any particular time (See page 4 paragraph 50 to page 5 paragraph 60 of Haumont et al. for reference to only one BTS transmitting packets to a MS at a give time and for reference to performing a hard handoff meaning that a connection between a MS and a BTS is broken before a connection between a MS and a new BTS is made).

9. Claims 9-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haumont et al. in view of Padovani et al. as applied to claims 8 and 11-12 above, and further in view of Kumar et al. (U.S. Pat. 6507572).

With respect to claims 9 and 10, the combination of Haumont et al. and Padovani et al. does not disclose the central buffer supports centralized link layer buffering operations and that the plurality of distributed buffers support distributed link layer buffering operations and the central buffer and the plurality of distributed buffers support the radio link protocol.

With respect to claims 9 and 10, Kumar et al., in the field of communications, discloses a wireless communications system with a central buffer, a queue of the frame

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selection/distribution function 106, and a plurality of distributed buffers, queues of the base stations 110, that support radio link protocol (See column 1 lines 22-58 and items 104, 106, and 110 in Figure 1 of Kumar et al. for reference to the wireless communication system supporting a radio link protocol function 104). Since the system of Kumar et al. supports radio link protocol, which is a link layer protocol, the central buffer, queue of the frame selection/distribution function 106, and distributed buffers, queues of the base stations 110, both support link layer buffering operations. Using radio link protocol and link layer buffering has the advantage of providing a reliable existing way to control the transmission of data from the central buffer to the distributed buffers.

It would have been obvious to one of ordinary skill in the art at the time of the invention, when presented with the work of Kumar et al., to combine the use of radio link protocol and link layer buffering, as suggested by Kumar et al., with the forward link data transmission system and method of Haumont et al. and Padovani et al., with the motivation being to provide a reliable existing way to control the transmission of data from the central buffer to the distributed buffers.

10. Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Haumont et al. in view of Strawczynski et al.

With respect to claim 20, Haumont et al. does not disclose that the base station controller supports the 1xEV-DO standard.

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discloses a wireless communications system compatible with the 1xEV-DO standard

(See page 1 paragraph 12 of Strawczynski et al. for reference to wireless systems

With respect to claim 20, Strawczynski et al., in the field of communications,

using the 1xEV-DO standard). Using the 1xEV-DO standard has the advantage of

using a currently developed high-speed data rate standard without having to create a

new standard.

It would have been obvious to one of ordinary skill in the art at the time of the

invention, when presented with the work of Strawczynski et al., to combine the use of

the 1xEV-DO standard, as suggested by Strawczynski et al., with the forward link data

transmission system and method of Haumont et al., with the motivation being to use a

currently developed high-speed data rate standard without having to create a new

standard.

Response to Arguments

11. Applicant's arguments with respect to claims 1-20 have been considered but are

moot in view of the new ground(s) of rejection.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason E. Mattis whose telephone number is (571) 272-3154. The examiner can normally be reached on M-F 8AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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SUPERVISORY PATENT EXAMINER

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